

## ECS Configuration Change Request

Page 1 of 1 Pages

CCR No. 97-0170	Logged Date 2/12/97	Rev. -	Request Type CCR
Priority Routine <input type="checkbox"/> Urgent <input type="checkbox"/> Emergency <input checked="" type="checkbox"/>	Affected Release B.1	Change Class I I	
Title (description) SDSRV Database Benchmark Hardware			
Documents Affected  None		Source Nos (RID, NCR, Action Item, GSFC CCR, etc.) or Tech Reference	
RTM Change <input type="checkbox"/> Start New Baseline <input type="checkbox"/>			
<b>Problem</b> The SDSRV Subsystem has been performing a large scale benchmark using the Sybase and Informix products in order to determine the future direction of development for Release B.1. After about 10 runs using the Sybase product we have begun to notice a bottleneck in the system on the tempdb database. This database is used for all sorting and dynamic indexing by the server. Some of our queries have had terrible multi-user times as a result of this bottleneck.			
<b>Proposed Solution</b> We would like to bring in for one day a Solid State Disk from MTI in order to move our tempdb database and eliminate the contention for the use of this device. Studies show SSD technology can improve performance by as much as 10 times. Since we will only have the device for one day, we will not count these runs against the Informix Universal Server, however the input into the SDSRV design will be invaluable.			
<b>Impact Analysis:</b> Organizations Affected: BOO <input type="checkbox"/> Contracts <input type="checkbox"/> ESO <input type="checkbox"/> FOS <input type="checkbox"/> M&O <input type="checkbox"/> QA <input type="checkbox"/> Rel. A <input type="checkbox"/> Rel. B <input checked="" type="checkbox"/> Rel. IR1 <input type="checkbox"/> MRS <input type="checkbox"/> SMO <input type="checkbox"/> Subconts <input type="checkbox"/> A.1 <input type="checkbox"/> Other _____ Cost: None <input checked="" type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Large <input type="checkbox"/> (Not exceeding \$100,000) (\$100,000 to \$500,000) (Over \$500,000) Schedule: None <input type="checkbox"/> Other _____ Additional LOC _____ Man-Months _____ Materials _____			
Originator <u>N. Wayne Lewis</u> _____ Signature _____ Date _____			
Office <u>SDSRV</u> Office Manager _____ Signature _____ Date _____			
<b>Disposition</b> Approved <input type="checkbox"/> Approved w/Comment <input type="checkbox"/> Forward <input type="checkbox"/> Disapproved <input type="checkbox"/> Comments:   CCB Chairperson _____ Signature _____ Date _____			